4.1 Reasoning: Fractions, Decimals and Percentages: 10-minute Pack

STA KS2 National Curriculum Mathematics - STA Reasoning Test Framework · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 3/4 of 24. Show your method.

(2)

2 Write 0.6 as a fraction in its simplest form.

(1)

3 A number is decreased by 20% and the result is 96. Work out the original number.

(3)

4 A recipe uses 250g of flour to make 8 buns. Amelia wants to make 20 buns. How much flour does she need?

(2)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 4.1 Reasoning: Fractions, Decimals and Percentages: 10-minute Pack

Question 1

24 / 4 = 6 (finds one quarter) oe	M1
18 cao	A1

Answer: **18**

Question 2

3/5 oe; cao	B1

Answer: **3/5**

Question 3

recognises 96 represents 80% of the original number oe	M1
finds 1% = 96 / 80 = 1.2, or equivalent method (e.g. 96 / 0.8), ft	M1
120 cao	A1

Answer: **120**

Question 4

finds the scale factor 20 / 8 = 2.5, or finds flour per bun 250 / 8 = 31.25g, oe	M1
625g cao	A1

Answer: **625g**

© Revision Library | revisionlibrary.co.uk